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To: Examiner Patrice Winder	Re: 09/399,578
Firm: United States Patent and Trademark Office	Date / Time: June 10, 2005
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By

Peter K. Trzyna (Reg. No. 32,601)

Date June 10, 2005

PATENT

Paper No.

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2145
Examiner	:	P. Winder

Honorable Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

S I R :

Transmitted herewith for filing in the above-identified patent application are the following.

1. Information Disclosure Statement (2 pages);
2. PTO Form 1449 (7 pages); and
3. PTO Form 1449 (2 pages).


The art listed on the enclosed PTO Form 1449s has been delivered to the Examiner's office at 401 Delany Street. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit

09/399,578

Account No. 50-0235. Please direct all correspondence to the undersigned at the address given below.

Respectfully submitted,

Date: June 10, 2005


Peter K. Trzyna
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P.O. Box 7131
Chicago, IL 60680-7131
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INFORMATION DISCLOSURE STATEMENT

S I R :

This Information Disclosure Statement is being filed pursuant to the duty of disclosure, candor, and good faith embodied in 37 C.F.R. §§ 1.56 and 1.97 owed by the inventor, the inventor's assignee substantively involved in the application, and the patent attorney to the United States Patent and Trademark Office. This Information Disclosure Statement accompanies two separate Form 1449 citations, one is 7 pages long, and the other is 2 pages long. A copy of each citation is enclosed herewith.

While the Information Disclosure Statement, publications, and other information provided by Applicant may be "material" pursuant to 37 C.F.R. § 1.56, it is not intended that

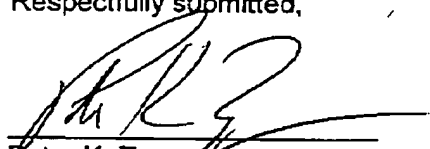
09/399,578

these constitute an admission of "prior art" for this invention. This Information Disclosure Statement shall not be construed to mean that no other material information, as defined in 37 C.F.R. § 1.56, exists.

Should any fees be deemed necessary, the Commissioner is authorized to charge any deficiency or to credit any over payment to Deposit Account No. 50-0235.

Respectfully submitted,

Date: June 10, 2005


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PTO/SB/08A (08-03)

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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/399,578
		Filing Date	09/20/1999
		First Named Inventor	Marks, Daniel L.
		Group Art Unit	2155
		Examiner Name	Winder, Patrice L.
Sheet 1 of 2	Attorney Docket Number	AL5-p1-99	

U.S. PATENT DOCUMENTS					
Examiner Initial*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	5,008,853	04/16/91	Bly, et al.	
	A2	5,659,692	08/19/97	Poggie, et al.	
	A3	4,525,779	06/25/85	Davids, et al.	
	A4	5,528,671	06/18/96	Ryu, et al.	
	A5				

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² -Number ³ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	A6					
	A7					

OTHER ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	A8	Rules for IRC networking - Ratified July 6th 1994; Edited June 29th by #EU-Opers
	A9	Internet Relay Chat FAQ
	A10	IRC - Internet Relay Chat, doc/MANUAL; Copyright 1990, Karl Kleinpaste
	A11	Undemet IRC FAQ (Part I) (updated 28th July 1995) - Weekly Report
	A12	Undemet IRC FAQ (Part II) (updated 28th July 1995) - Weekly Report
	A13	A short IRC primer; Edition 1.1b, February 28, 1993
	A14	Internet Relay Chat Protocol; J. Oikarinen, D. Reed; May 1993
	A15	Alta Vista: Simple Query +cu-seeme +history;
	A16	Mac OS CU-SeeMe Change History README file
	A17	GIF Image 627x324 pixels
	A18	NetSpeak Information Server (IS);
	A19	WebPhone Gateway eXchange Server (WGX)
	A20	WebPhone® 3.1
	A21	NetSpeak Servers
	A22	NetSpeak Corporation - Corporate Overview

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Approved for use through 10/31/2002. OMB 0651-0031

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	09/399,578
		Filing Date	09/20/1999
		First Named Inventor	2155
		Group Art Unit	2155
		Examiner Name	Winder, Patrice L.
Sheet 2	Of 2	Attorney Docket Number	AS-P1-99

OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	A23	NETSPEAK CORPORATION INTRODUCES WEBPHONE, INDUSTRY'S FIRST INTERNET-BASED TELEPHONE SOLUTION FOR BUSINESS USERS
	A24	NetSpeak Network Component Architecture (NCA) Overview
	A25	Electropolis: Communication and Community On Internet Relay Chat; Elizabeth M. Reid 1991
	A26	CU-SeeMe, Updated: Thursday 21 December 1995
	A27	CU-SeeMe Tech-Toys

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PAGE 8/14 * RCVD AT 6/10/2005 1:24:23 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/0 * DNIS:8729306 * CSID:312 240 0825 * DURATION (mm-ss):06-18

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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	09/399,578
		Filing Date	09/20/1999
		First Named Inventor	Marks, Daniel L.
		Art Unit	2155
		Examiner Name	Winder, Patrice L.
(Use as many sheets as necessary)		Attorney Docket Number	
Sheet	2	of	7

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	A21	REAL TIME GROUPWARE ON THE INFORMATION HIGHWAY, Saul Greenberg, Department of Computer Science, University of Calgary, Alberta Canada (1994)	
	A22	REAL TIME GROUPWARE AS A DISTRIBUTED SYSTEM: CONCURRENTLY CONTROL AND ITS EFFECT ON THE THE INTERFACE, Saul Greenberg and David Marwood, Department of Computer Science, University of Calgary, Alberta Canada (1994)	
	A23	A GROUPWARE ENVIRONMENT FOR COMPLETE MEETINGS, Ted O'Grady and Saul Greenberg, The University of Calgary, Alberta Canada (1992)	
	A24	GROUP K T A GROUPWARE TOOLKIT FOR BUILDING REAL-TIME CONFERENCING APPLICATIONS, Mark Roseman and Saul Greenberg, Department of Computer Science, University of Calgary, Alberta Canada, CSCW 92 Proceedings (1992)	
	A25	ISSUES AND EXPERIENCES DESIGNING AND IMPLEMENTING TWO GROUP DRAWING TOOLS, Saul Greenberg, Mark Roseman, David Webster and Ralph Bohnet, Department of Computer Science, University of Calgary, Alberta Canada (1992)	
	A26	LIVEWARE: A NEW APPROACH TO SHARING DATA IN SOCIAL NETWORKS, Ian H. Witten, Computer Science, University of Calgary, Canada, Harold W. Timbleby, Computing Science, Stirling University, Stirling, Scotland, UK, George Coulours, Queen Mary and Westfield College, London, Saul Greenberg, Computer Science, University of Calgary, Calgary, Canada (Received 1 May 1990 and accepted in revised form 1 August 1990)	
	A27	GROUPSKETCH: A MULT-USER SKETCHPAD FOR GEOGRAPHICALLY-DISTRIBUTED SMALL GROUPS, Saul Greenberg, Department of Computer Science, University of Calgary, Alberta Canada, Ralph Bohnet, MPR TelTech Ltd., Burnaby, Canada, CSCW (1991(b))	
	A28	THE WORLD WIDE WEB UNLEASHED, John December and Neil Randall, SAMS Publishing, Indianapolis, IN, (1994)	
	A29	PLATO: THE EMERGENCE OF ON-LINE COMMUNITY, Copyright 1994 by David R. Woolley, Matrix News, Vol. 4, No. 1, (1994)	
	A30	GTALK OWNERS MANUAL, David W. Jeske (1995)	
	A31	MUDS GROW UP: SOCIAL VIRTUAL REALITY IN THE REAL WORLD, Pavel Curtis and David A. Nichols, Xerox Parc (1993)	
	A32	COLLABORATIVE NETWORKED COMMUNICATION: MUDS as Systems Tools, Remy Evard, 1993 Lisa, November 1-5, 1993.	
Examiner Signature			Date Considered

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	09/399,578
		Filing Date	09/20/1999
		First Named Inventor	Marks, Daniel L.
		Art Unit	2155
		Examiner Name	Winder, Patrice L.
Sheet	3	of	7
		Attorney Docket Number	

NON PATENT LITERATURE DOCUMENTS

A33	PROCEEDINGS OF THE SEVENTH SYSTEMS ADMINISTRATION CONFERENCE (LISA VII), Monterey, CA, USENIX Association, (1993) (One Page)
A34	ROLE-PLAYING & ADVENTURE DUNGEONS & DRAGONS, Net Games, p. 67
A35	THE HISTORY OF NWN, Neverwinter Nights Archive (1991-1997), netgames™ YOUR GUIDE TO THE GAMES PEOPLE PLAY ON THE ELECTRONIC HIGHWAY, A Michael Wolff Book, Kelly Maloni, Derek Baker, and Nathaniel Wice
A36	SAUDY TALES FROM THE CYBURBS: A GUIDE TO ON-LINE GAMES, (includes related articles on UseNet Message Groups and Suggested reading (Evaluation) (Software Review), Full Text: COPYRIGHT 1994 zdnet, Computer Gaming World, v 123 (1994)
A37	AMS: Area Message Service for SLC, M. Crane, R. Mackenzie, D. Millsom, M. Zelazny, Stamford Linear Accelerator Center, Stanford University, Stanford, CA, PAC (1993)
A38	AN EXPERIMENTAL MULTI-MEDIA BRIDGING SYSTEM, E.J. Addeo, A.B. Cayao, A.D. Gelman, V.F. Massa, Bell Communications Research, Morristown, NJ, ACM (1988)
A39	QUILT: A COLLABORATIVE TOOL FOR COOPERATIVE WRITING, Robert S. Fish, Robert E. Kraut, Mary D. P. Leland, Bell Communications Research, Michael Cohen, University of Washington, ACM (1988)
A40	RFC 1459 INTERNET RELAY CHAT PROTOCOL, J. Oikarinen, D. Reed (1993)
A41	WSCRAWL 2.0: A SHARED WHITEBOARD BASED ON X-WINDOWS, Brian Wilson
A42	GROUPWARE FOR REAL-TIME DRAWING - A DESIGNER'S GUIDE, Saul Greenberg, Stephen Hayne, Roy Rada, McGraw-Hill Book Company, Berkshire, England (1995)
A43	CO-LABORATIVE DOCUMENT PRODUCTION USING QUILT, Mary D.P. Leland, Robert S. Fish and Robert E. Kraut, Bell Communications Research, Inc, Morristown, NJ ACM (1988)
A44	THE RAPPORT MULTIMEDIA CONFERENCING SYSTEM, S.R. Ahuja, J. Robert Ensor and David N. Horr, AT&T Bell Laboratories, Holmdel, NJ, ACM (1988)
A45	SOFTWARE ARCHITECTURE FOR INTEGRATION OF VIDEO SERVICES IN THE ETHERPHONE SYSTEM, P. Venkat Rangan, Member, IEEE, and Daniel C. Swinehart, Member, IEEE (1991)
A46	MULTIMEDIA CONFERENCING IN THE ETHERPHONE ENVIRONMENT, Harick V. Vin, Poile T. Zellwager, Daniel C. Swinehart, and P. Venkat Rangan, Xerox Palo Alto Research Center, (1991)
A47	TOOLS FOR SUPPORTING THE COLLABORATIVE PROCESS, James R. Rhyne, Catherine G. Wolf, IBM Thomas J. Watson Research Center, Yorktown Heights, NY, UIST (1992)
A48	SYSTEM SUPPORT FOR COMPUTER MULTIMEDIA COLLABORATIONS, Harick M. Vin, P. Venkat Rangan, University of California at San Diego, LaJolla, CA, Mon-Song Chen, IBM T. J. Watson Research Center, Yorktown Heights, NY, CSCW 92 Proceedings (1992)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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7

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NON PATENT LITERATURE DOCUMENTS

NON-PATENT LITERATURE DOCUMENTS			
A49	COLLABORATION IN KMS, A SHARED HYPERMEDIA SYSTEM, Elise Yoder, Robert Aksyn, Donald McCracken, Knowledge Systems Incorporated, Murrysville, PA, ACM (1989)		
A50	THE RENDEZVOUS ARCHITECTURE AND LANGUAGE FOR CONSTRUCTING MULTIUSER APPLICATIONS, Ralph D. Hill, Tom Brinck, Steven Rohall, John F. Patterson and Wayne Wilner, ACM Transactions on Computer-Human Interaction, Vol. 1, No. 2 (1994)		
A51	COLLABORATION SUPPORT PROVISIONS IN AUGMENT, Douglas C. Engelbart, Tymshare, Inc. (1983)		
A52	BUILDING REAL-TIME GROUPWARE WITH GROUPKIT, A GROUPWARE TOOLKIT, Mark Roseman and Saul Greenberg, University of Calgary, ACM Transactions on Computer-Human Interaction, Vol. 3, No. 1, (1996)		
A53	ARCHITECTURE FOR A MULTIMEDIA TELECONFERENCING SYSTEM, L. Aguilar, J.J. Garcia-Luna-Aceves, D. Moran, E.J. Craighill, R. Brungard, Information Services and Technology Center, SSRI International, Menlo Park, CA, ACM (1986)		
A54	SPECIAL ISSUE ON CSCW: PART 1, HUMAN AND TECHNICAL FACTORS OF DISTRIBUTED GROUP DRAWING TOOLS, Saul Greenberg, Mark Roseman, Dave Webster and Ralph Bohnet, Interacting With Computers, Vol. 4, No. 3 (1992)		
A55	DESIGN OF A MULTI-MEDIA VEHICLE FOR SOCIAL BROWSING, Robert W. Root, Bell Communications Research, NJ, ACM (1988)		
A56	SUPPORTING COLLABORATIVE WRITING OF HYPERDOCUMENTS IN SEPIA, Jorg M. Haake and Brian Wilson, GMD-IPSI, Federal Republic of Germany, CSCW 92 Proceedings (1992)		
A57	FILLING HTML FORMS SIMULTANEOUSLY: COWEB-ARCHITECTURE AND FUNCTIONALITY, Stephen Jacobs, Michael Gebhardt, Stefanie Kethers, Wojtek Rzasa, RWTH Aachen, Informatik V, Fifth International World Wide Web Conference, Paris, France (May 1998)		
A58	THE WHOLE INTERNET, USER'S GUIDE & CATALOG ACADEMIC EDITION, Ed Krol, Bruce C. Klopferstein, Ph.D., Bowling Green State University, An Imprint of Wadsworth Publishing Company		
A59	WEBCAT 0.2 SOURCE DISTRIBUTION, e-mail from Michael Fremont, Internet Roundtable Society, dated February 10, 1995		
A60	SUPPORTING DEVELOPMENT OF SYNCHRONOUS COLLABORATION TOOLS ON THE WEB WITH GROCO, Michael Walther, Proceedings of the ERCIM workshop on CSCW and the Web, Sankt Augustin, Germany (Feb. 7-9 1996)		
A61	THE UNIVERSITY OF CALGARY, DESIGN OF REAL-TIME GROUPWARE TOOLKIT, Mark Roseman, A THESIS SUBMITTED TO THE FACULTY OF GRADUATE STUDIES IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE, Department of Computer Science, Calgary, Alberta (Feb. 1993)		
A62	SESSION MANAGEMENT FOR COLLABORATIVE APPLICATIONS, W. Keith Edwards, Graphics, Visualization & Usability Center College of Computing, Georgia Institute of Technology, GA, Association for Computer Machinery, Published in Proceedings of the ACM Conference on Computer-Supported Work (CSCW '94)		
A63	SOCIAL ACTIVITY INDICATORS: INTERFACE COMPONENTS FOR CSCW SYSTEMS, Mark S. Ackerman, Brian Starr, Department of Information and Computer Science, University of California, Irvine, UIST (No. 14-17 (1995)		
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		Attorney Docket Number	
Sheet	5	of	7

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Substitute for form 1449B:PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	09/399,578
		Filing Date	09/20/1999
		First Named Inventor	Marks, Daniel L.
		Art Unit	2155
		Examiner Name	Winder, Patrice L.
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	09/399,578
		Filing Date	09/20/1999
		First Named Inventor	Marks, Daniel L.
		Art Unit	2155
		Examiner Name	Winder, Patrice L.
		Attorney Docket Number	
Sheet	7	of	7
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A95	MUDs IN EDUCATION: NEW ENVIRONMENTS, NEW PEDAGOGIES, Tari Lin Fanderclai, COMPUTER - MEDIATED COMMUNICATION Magazine, Vol. 2, No. 1, January 1, 1995		
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A100	THE ZEPHYR NOTIFICATION SERVICE, C. Anthony DellaFera et al., Digital Equipment Corp., Project Athena, Massachusetts Institute of Technology, Cambridge, MA.		
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